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Fungi of North Carolina.—COKER¹⁵ has published a systematic account of certain genera of fungi occurring in North Carolina, illustrated by remarkably fine plates. *Craterellus* is represented by 7 species and *Cantharellus* by 12. *Eomycenella*, *Tragia*, and *Nyctalis* are each represented by a single species. A very complete key to the genera of gill fungi (55 genera) is also included.—J. M. C.

New genus of Pyrenomycetes.—Fitzpatrick¹⁶ has described a new genus (*Rostronitschkia*) of Pyrenomycetes from Porto Rico and Jamaica, parasitic on the leaves of *Gesneria albiflora*. The species has been known for some time, and described by REHM (in litt.) as a new species of *Nitschkia* (*N. nervinicola*). FITZPATRICK has concluded that it is distinct enough from that genus to be entitled to separate generic rank.—J. M. C.

Mutation.—Costantin¹⁷ has published a full discussion of the status of the theory of mutation, weighing the evidence for and against it, as presented in the extensive literature of the subject. His conclusion is that, in spite of the violent assaults against it, “la theorie de la mutation reste debout.” The details of the discussion will be well worth consulting by those interested in this controversy.—J. M. C.

Suspensor of Capsella.—SOUÈGES¹⁸ has made a remarkably detailed study of the early embryogeny of *Capsella*, especially in reference to the suspensor. The numerous details cannot be repeated in a brief review, but they should become familiar to morphologists. That so much could be obtained from a form so commonly studied is remarkable.—J. M. C.

Tropical American Eupatoriums.—ROBINSON,¹⁹ in continuing his studies on the South American species of *Eupatorium*, has paid particular attention to those of Peru and Bolivia. In the present contribution 37 new species are described, and a review of the Peruvian material recognizes 82 species.—J. M. C.

¹⁵ COKER, W. C., *Craterellus*, *Cantharellus*, and related genera in North Carolina; with key to the genera of gill fungi. Jour. Elisha Mitchell Sci. Soc. 35:24-48. pls. 17. 1919.

¹⁶ FITZPATRICK, H. M., *Rostronitschkia*, a new genus of Pyrenomycetes. Mycologia 11:163-167. pl. 11. 1919.

¹⁷ COSTANTIN, J., La mutation, état actuel de la question. Ann. Sci. Nat. Botanique X 1:iii-xxxii. 1919.

¹⁸ SOUÈGES, R., Les premières divisions de l'oeuf et les différenciations du suspenseur chez le *Capsella Bursa-pastoris* Moench. Ann. Sci. Nat. Botanique X 1:1-28. figs. 69. 1919.

¹⁹ ROBINSON, B. L., I. On tropical American Compositae, chiefly Eupatorieae. II. A recension of the Eupatoriums of Peru. Proc. Amer. Acad. 55:1-88. 1919.